SYSTEMS AND METHODS FOR USING NOISE MEASUREMENT
TRACKS WITH SERVOPOSITIONING SIGNALS

5 **Abstract of the Disclosure**

Servopositioning data is written onto a linear recording medium such that a position error signal (PES) is intentionally created. The signal substantially resembles a conventional time based servo pattern, but is insensitive to transverse position. In a preferred embodiment, the signal at a zero-azimuth, *i.e.*, an angle sufficiently small in

10   value such that there is no significant PES signal associated with the transverse motion.